

CLAIMS

## WHAT IS CLAIMED IS:

1. A method for connecting a lead frame having first and second connections to a light emitting device for enabling illumination comprising the steps of
  - 1 providing a light emitting device having a first and a second terminal,
  - 2 providing a semiconductor based sub-mount having a topside and an underside,
  - 3 electrically coupling the first terminal of the light emitting device to one of the first and second connections via a first single wire bond,
  - 4 electrically coupling the first single wire bond to the topside,
  - 5 electrically coupling the second terminal of the light emitting device to the other of the first and second connections when the second terminal is connected to the topside, and
  - 6 providing electrostatic discharge protection circuitry in the region of the submount where the first terminal is connected.